

SIX PAGES

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EDMONTON, ALBERTA, FRIDAY, JANUARY 29, 1943

President Clarifies Position of Engineers

Sciencemen Stage 5th Annual Ball Tuesday Technical Personnel Head

Will Feature Decorations, Displays at Monster Dance

AT THE BARN

McDiarmand in Charge of Decorations—Anderson Supreme

In case the naive boys have been wondering at the recent popularity of the slide-rule men among the local femmes, they may be heartened by the thought that it's possibly not their features—it's their futures. For the time is here again for the Ball, which is really a round of pleasure from all angles—the Fifth Annual Engineers' Ball.

Yes, girls, this is the event for which the 'Gineers depart from their usual form and prove they have an appreciation of

The Late Professor Webb

Last September fate took a hand,

neering. Both faculty and students alike keenly felt this loss of friend,

promote and assist in the develop-

ment of the organization—renamed

"The Engineering Students' Society." In recognition of his interest he was

on two occasions its honorary presi-

dent. His interest in Engineers was

so great that he made it his unique

business to know personally every

Engineer to graduate from the University of Alberta.

He was one of the first to advo-

cate and support student paper com-

the Association of Professional En-

gineers of Alberta for the past few

His suggestion was adopted, and

there have been such competitions for the past few years. Until this

year, the competition has been with-

out a name; now, in tribute to Mr Webb, it has been called the "Webb Memorial Competition." The competition is open to all members of the E.S.S. The paper is to be on

some engineering subject, and the

prizes of \$25, \$15 and \$10 are award-

ed on a basis of both written and

oral presentation. The society in-

tends to continue this competition

and to have its details entered in

It can only be hoped that future Engineers entering this competition

may acquire some of the fineness

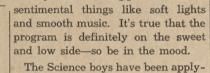
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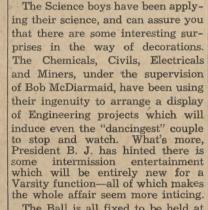
characterized by Prof. Webb.

the Calendar.

Webb Memorial

of all who knew him.





The Ball is all fixed to be held at the Barn, with music by one of Western Canada's foremost orchestras. The setting is semi-formal, and the time from 8:30 to 12:30. Bus transportation is being provided for in districts where the numbers of available passengers warrant. Watch the notice boards for schedules.

So prepare yourselves for a good Student Papers time, and forget your math. for one night so you won't be mixing slip sticks with lipstick. Remember, there won't be another like this for Once there was an Engineer - a prince among men—a man whose a whole year—like Christmas, you memory will live long in the minds can't afford to miss it!

and a most unfortunate accident took the life of Harry R. Webb, Associate Professor of Civil Engi-To Relieve

associate and adviser.

Mr. Webb, a graduate of Alberta,
obtained his Bachelor of Science in Civil Engineering in 1921, and the following year took his M.Sc. He returned to the University imme-The new machine shop and printing office now under construction just west of the Power House is andiately after graduation, and re-mained on the Civil Engineering staff other link in the University expansion program, and will do much to relieve the cramped conditions in the Arts Building. These condiuntil his death. During his life he strove to broaden his wide experience by following his professional tions have become more acute during the past year due to the large training on various projects during Air Force and Navy schools using the inter-session months, and by University classrooms and laboracarrying on a consulting practice.
When the "Undergraduate Society in Applied Science" was formed in

The new building, 95½ feet long by 31½ feet wide, will have two storeys. The ground floor will be used entirely for the Printing De-1920 he was its president, and as the years passed did all in his power to partment, while the upper storey will provide space for a machine shop (55 feet long), The Gateway office, a ladies' rest room and a restricted number of offices. machine shop will be separated from the latter by a soundproof wall.

Professor I. F. Morrison, in charge of design and construction of the new building, states that the re-moval of the Printing Department petitions. A probable reason for his interest is that he was Registrar of from the basement of the Arts Building will provide the much-needed room for the extension of the Physics laboratories. years, and grew to understand the need for skill in technical writing.

Thus it is apparent that the University of Alberta campus is being built up steadily, and when the proposed \$500,000 hospital is erected the campus will then form a block well worth the pride of every per-son connected with it. More power

Musical Science

Tune in to CKUA Mondays, 8:15-0. for your program, "Varsity 8.30, for your program, "Varsity Varieties," featuring musical talent from the campus. Next Monday, Feb. 1st, features Gordon Clark, 'celloist, with his accompanist, Gerard Tougas. Harold Davis, master of ceremonies. This is the second broadcast in this series which, from the number of programs already ar-One only 6-inch Slide Rule.

Finder please return to R. B. McDiarmaid in the 3rd year Electrical

Tranged, is proving to be a popular one. All Varsity musical talent should be presented on this feature, so contact Roberta Kiefer for pro-



Message

28th January, 1943.

and after graduation.

Science Smoker

Ceiling unlimited, power unlimited, and speed unlimited. This was the substance of a speech by Mr. F. Ades, Assistant Chief Engineer, T.C.A., Winnipeg, given at a meeting held jointly by the Aeronautics Club and the E.S.S. on Jan. 11th.

Mr. Ades pointed out that design of the aeroplane was ahead of the power unit, and in turn the power unit was ahead of the propelling force in efficiency; therefore a search

Congestion attained is a step which also has to

Preparing Digest Of Opinion Poll; No Conference

Two things remain to be said about the now familiar questionnaire: who prepared it and what is going to be done about it? Sensing the interest and confusion as to student status, the Student Christian Movement took the responsibility of asking each of the faculty clubs to name a representative to a planning committee to see what could be done about it. That committee is completely re-sponsible for all that has been done in this regard, though Dr. Newton and many of the faculty have given their approval and many sugges-

The conference planned has proven impossible because no hour could be found in which all who were interested could attend. committee, however, suggests the following alternative. On the basis Once again the busy Engineers of the information provided by the assume the role of Journalists for questionnaire, a full statement will an issue of The Gateway.

In a few weeks they will be in training for the many and varied dents drawn from the relevant training for the many and varied occupations of the armed and industrial services connected with the dustrial services connected with the students as reflected in the questionnaire, and a definite resolutions to the appro-New regulations are in the making tion or resolutions to the approwhich should clarify the position of priate authorities. This statement will then be posted on the bulletin with respect to what is required of them during the summer vacation ballot taken of the entire student body on the following Thursday un-There is every indication that they will be placed where they are needed most.

There is every indication that they less otherwise announced. The rewill be placed where they are needed the Students' Council for their

R. S. L. WILSON.

A digest of the answers to the questionnaire will also be on the bulletin boards for your information and interest. It will be noted that the action proposed deals only with the first part of the questionnaire dealing with the status of students. The intention is that with sufficient The intention is that with sufficient back the second and no less important part will be given further attention as soon as possible.

> in Canada; for Canada is situated at the hub of future world air trans-

At the conclusion of Mr. Ades' speech, three talking pictures were shown: Building a Bomber, Wings Across Canada-T.C.A., and Drilling

PRESIDENT



Message

This issue of the Engineers' Gateway marks the second annual production of its kind on the campus, this year will justify a continuance of the practice of having campus clubs edit The Gateway.

"How well taken was this position has been amply shown by the course of events. In May, 1942, after a little

While it is not our intention in short of three years of war, representatives of Dominion Government departments brought to the attention of a Universities' Conference value, we do recognize the advantage of being able to maintain an optimistic and cheerful attitude during and a half times the normal number these difficult times. This, I believe, of University graduates in the fields constitutes sufficient reason (and apology, if it is deemed necessary by some) for the Side Rule Faculty to venture forth into the fields hereto-

FIFTH COLUMN

by F. M. Salter CRITIQUE

If a man has anything to say and gets it said, no matter how badly, he will find an audience. This fact is well illustrated by "Watch on the Rhine," which is poorly constructed, huddled together, dilatory, full of absurdities, inconsistencies, digressions, and superfluities, pieced together with hoary hoakum and trite stage business, and remarkable for the number of lines intended to be fire-crackers that turn out to be squibs—and which yet does have a powerful appeal. The core of the thing is right; it reedems the whole; and the characters of Kurt Müller and his wife—printed as Muller in the programmes—turn the gallimaufry into a play that is worth the efforts of any group of actors and worth the time of any audience.

Nevertheless, these faults in workmanship put a strain upon the actors at the same time that the genuine worth of the play inspires them. Two things may be said in consequence: first, that the Dramatic Society amply justified its thirtieth year of existence in the production of "Watch on the Rhine," January 22, 23; and second, that after a rather heart-breaking experience with fluffy and inconsequential plays, it becomes rather plain that it is unfair to Director and actors to ask them to make anything out of a

The part of Evelyn Johnston especially suffered from the author's lack of skill. It must have been a dreary experience to Miss Johnston to find that firecracker after firecracker, so far from exploding, did not even fizzle, but evaporated. Indeed, at the beginning of her performance on the second night, she seemed to show a sort of weariness and hopelessness with the part. As the widow of the great Joshua Farrelly and a woman who had been the wit and toast of Europe in her youth, and one whose bon mots were picked up and repeated by everybody in the caste, including herself, she ought to have had an abundance of sure-fire hits. Many were elaborately prepared for, but when they came, they were not hits. Lillian Hellman, the author, does not know the difference between wit and vulgarity; an occasional vulgarism in the part brought a laugh, but I can only think of one piece of genuine wit—which, incidentally, had to be translated from French into English for a multi-

Miss Johnston suffered further from the necessity of adding about fifty years to her own, one of the most difficult things for young actors to do. The part also required more voice than she possesses. so is of course to imply that the Director had unlimited resources at his command when the simple fact is that the number of students able or willing to prejudice their studies in this year of academic nightmare must be small. Miss Johnston's efforts seemed unconvincing; but her courage was completely admirable. Suffering on Friday night under the further disadvantage of bad make-up, she certainly did on both nights the best job of which she was capable, nor is it easy to think of any person of her age likely to do it better.

Paulette Jegard as Anise had another perennially fashionable piece of unrealistic stage hoakum to play, and did it very well. At times she was excellent, as ence of Canadian Universities comwhen she looked over "Sara's husband." In general, plimented the Government upon its Fund. she was best in movement, but at times her accent, which on the whole was very good, was rather inconsistent. She had a fine sense of the size of her part and fitted it in well.

education in wartime, and promised equipment to solve many problems in that, in accordance with the expressed desire of the Director of have heretofore been too difficult

Genice Brown seemed to lack the maturity and depth that the character of Teck's wife demanded. One could not feel that there were fifteen tragic years in her background; and her gestures and actions seemed pettish or school-girlish rather than those of a woman of thirty-two. Miss Brown, however, was on the stage for the first time and in a very difficult role even for an experienced actress. She thoroughly understood her part and she knew perfectly how it ought to be played; to have accomplished so much in her first attempt was a real achievement. Moreover, she showed that she has a feeling for the stage, and she did some things extremely well. The very expressive gesture of her hand feeling her throat—and this is not suggested in the printed play-when she said she remembered why she had always intended to leave Teck, is one of them. Having done so well in her first appearance, Miss Brown would be immeasureably as in training to become technical better in a second.

(Continued on Page 2)

Expected Here Feb. 1, 2; Will Meet E.S.S. Officials

Wartime Regulations Outlined

SCIENCE STUDENTS TO DECLARE INTENTIONS

Discuss Summer Employment

In a statement issued to the Engineers' Gateway, Dr. Robert Newton, President of the University, declared that Mr. H. W. Lea, Director of the Bureau of Technical Personnel, and Col. G. W. Beecroft, Military Adviser, will visit the University of Alberta next week to discuss the present status of Applied Science students. In the course of their visit they will interview the University Service Training Board, heads of scientific departments, and heads of students' technical and scientific societies.

"Shortly after the outbreak of the present world conflict," stated Dr. Newton, "the National Research Council, through its president, Lt.-Gen. A. G. L. McNaughton, circularized Councils with the conflict of larized Canadian universities to the effect that it seemed likely to be a long war, that it was important to maintain an adequate supply of technical personnel, and that students who were making satisfactory progress in their studies should and I sincerely hope that our efforts therefore be encouraged to continue

venture forth into the fields heretofore held as sacred unto themselves
by those students who attain to a
Bachelor of Arts degree.

This year marks a new mile-post
in the history of our E.S.S. Never
before in the history of the University of Alberta as a training centre for engine-room artificers
and radio technicians. The Army
arranged with the University of
Toronto for what amounts to an
intensified first-year course in engineering for enlisted men, which is
being conducted during the current large membership. I wish to thank being conducted during the current all of the members for their excel- year, and is now negotiating with lent co-operation throughout the year in helping the society obtain the for similar courses to begin next fall. force in efficiency; therefore a search for the latter was prerequisite in aeronautical engineering today.

A search for previously unknown heights to which a skyliner has yet the Aeronautics Club.

A search for previously unknown heights to which a skyliner has yet the Aeronautics Club.

A cross Canada-T.C.A., and Drilling degree of success that it has Special thanks is due to those students who has also helped the United thanks is due to those students who have worked with me as the executive as well as Harry Hole, our enthusiastic Gateway Rep., Lucien thus as to begin hext fair.

The Army has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who have worked with me as the executive as well as Harry Hole, our enthusiastic Gateway Rep., Lucien thus as the course of the current academic session and course the course of success that it has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students who has also helped the United thanks is due to those students w

brought to light a satirical episode of the design and construction of an aeroplane. This article is to be found elsewhere in this edition.

During Mr. Ades' main speech, he pointed out the unlimited possibilities of aeronautical engineering

Mr. Ades During the course of the introducted that the course of the discovered that to a model of transparent in applied to a model of tr increasing the number of those in WATCH ON THE RHINE training. A special appeal was made to matriculants with high standing in mathematics and physical sciences, on the ground that even one or two years' of university training would qualify them for much more effec-

liberal arts is the one most often questioned. Both the Dominion Government and the Universities' Conference have affirmed repeatedly tained. It is the heart of the University. Its departments give inin every professional struction faculty. Moreover, even in wartime we cannot afford to discontinue entirely the education of specialists in the liberal arts. Such a hiatus might easily prove disastrous in the postwar period. At its latest meeting (January 9), the National Confer-ence of Canadian Universities comenlightened policy towards higher National Selective Service, the uni- for mathematical analysis. It is also versities will ruthlessly weed out likely that many other pieces of in-incompetent students and continue vestigation will be started as soon to require military training of all as suitable materials can be secured.

"All this is very logical and sound from the point of view of those re-sponsible for maintaining an adequate supply of trained personnel. Unfortunately, it does not relieve the individual student from embarrassment and perplexity when ill-informed, shortsighted people ask him, 'Why aren't you in uniform?' Actually only a minority of students are free any longer to enlist when as in training to become technical personnel may enlist only with per-

(Continued on Page 6)



neering Department, under whose direction the Photoelastic Polari-scope lab. has been constructed.

Polariscope Lab. **Constructed Here**

During the summer and the first half of the current academic session a photoelastic polariscope has been constructed and set up in the de-partment of Civil Engineering. This

allow only the light from the green line in the mercury spectrum to pass. The light is produced by a mercury lamp and is diffused by means of a ground glass screen. This produces a fairly uniform field. The light then passes through a 12-inch we war service.

Maintain Arts Courses

"The position of students in the polaroid. The model is placed in a straining frame situated between the quarter-wave plates. A suitable lense, not yet secured, will throw the image on a ground glass screen

or on to a photographic plate.

This whole equipment is mounted on a table in a newly built dark room. It has been difficult to secure the various pieces to build up the equipment, even after considerable time spent in careful planning. Even yet no suitable materials from which the models are to be made has been secured, and none is at present in sight. The money for the equipment came from the Carnegie Research

It is hoped by the use of this

ATTENTION, FLU VACCINE TEST VOLUNTEERS

All those students whose names start A-J inclusive will present themselves for vaccination at the Infirmary on Saturday, Jan.30, in alphabetical order, starting at 2 p.m. That is, the A's will present themselves at 2, the B's at 2:30, etc. Those whose names start K-Z will present themselves on Monday, Feb. 1, not necessarily in alphabetical order, but as is convenient in consideration of

Flu Vaccine Volunteers From A-J! Get Your Shot Saturday, 2 p.m.



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Phone 31155

EDITOR-IN-CHIEF FRANK MESTON BILL PAYNE **BUSINESS MANAGER** B. J. ANDERSON

We are, we are the Engineers. We can, we can drink forty beers! Drink rum, Drink rum and come with us! We don't give a damn for any damn man,

GUEST EDITORIAL

THE status of the University student has been the subject of much discussion since the war began and especially during the past six months. We believe, however, that this has been confined mainly to those connected with the universities themselves and certain departments of the government. Criticism, favorable or otherwise, has not

STUDENTS ... IN THE DARK

CHIEF CENSOR

Who don't give a damn for us!

been very apparent from the general public or the press. Students who have worked with others who do not attend university realize this, but because of

the articles written in our student papers take it for granted that unfavorable criticism does indeed exist and in large quantities.

Intelligent people realize that the need for higher education is as great or greater now than it ever was If there had been more of it in the past the world may not be in the condition it is today. A little thought, too, will reveal that this education cannot be confined to those who are medically unfit for military service, as that is not necessarily a sign of the intelligence required to successfully pursue a course at a university.

Publicity of the many useful services that have been performed by both graduates and undergraduates toward the war effort has, in many cases, been pretty scanty. The training received at university has enabled students to do seasonal work of a very essential nature that could not be done by a person without this training. It would be indeed much better if some of these things were brought to the public eye by the press, rather than the isolated case of someone swallowing a goldfish.

The government has brought out regulations that make it possible for us to continue our studies, but in most cases there have been conditions attached to them that have made our lot more difficult. The most important of these are (1) military training, the value of which is doubtful after the first term, and (2) stricter regulations regarding the academic records The standards of most of Canada's universities have always been high, high enough in fact that it required something than mere attendance to remain a student. Attempts to raise these standards will eliminate many students who would normally graduate and become more useful citizens than they otherwise might be, whether in the armed services or not.

air force, if that is where we would like to fight. It to be in your country's army. This sort of thing may have something to do with the difficulties in recruiting men for the army. If a student feels that he would be more useful to his country in the army, and he joins one of the services, he then regards it as a privilege, as he does if he stays in university if that is where he

All these matters concerning the student have been settled by others than students. The majority of the students are adults with adult minds, and a much more satisfactory situation would likely exist if representative students were present on boards and committees dealing with student affairs. We are quite capable of assuming some responsibility.

At the present time they tell us that we may not approach any person on the subject of employment, even summer employment, and what is more, no person may approach us with a view to hiring us. That is all. What comes next?

THE Universities of Canada have done a splendid job in co-operation with the Canadian Government in the war effort, but there has been a feeling that the Government has not reciprocated to the same extent. The place of the student in these critical -not only from his standpoint,

OTTAWA AND

THE UNIVERSITY the public at large.

have more than once conferred with representatives It is hoped that the visit to the University, in the near of the universities and have placed before them the future, of an officer of the War Time Bureau of pluck with spectral arms at the some ducks and stops the train to immediate and future requirements of men trained in Technical Personnel will do much in clearing up these coaches. But the voyagers are ob- get some for his dinner, meanwhile engineering and pure science. They presented results and other questions of vital interest to the student and surveys which indicated that the armed services body.



There will be no Casserole this issue—instead there will be a few jokes.

* * * *

Here's a story about the northland. The natives ound Ft. St. John and Dawson Creek tell the unaround Ft. St. John and Dawson Creek tell the uninitiated army boys working on the Alaska Highway to be sure to get a picture of the "Key Bird" when they get to Alaska. It seems this bird is the one that sits on the North Pole and says, "Key-ryst, but it's still hover between these opinions. cold up here."

A big Indian had just ordered a ham sandwich at a drug store counter and was peering between the slices of toast, when he turned and said to the clerk, "Ugh, you slice 'em ham?"

"Yes, I sliced the ham, " the clerk replied. "Ugh," grunted the Indian, "you damn near miss

New song dedicated to Jap sailors, "He Wears a

Pair of Water Wings." Father-What was the most difficult thing you

learnt to do while you were at Varsity? Frosh-Oh, I had a pretty tough time learning how to open beer bottles with a quarter.

10 10 10 10 10 A Negro preacher began his sermon by saying, 'Brethren and sisters, here you is comin' to pray for

rain. I'd like to ask you just one question, where is vo' umbrellas?"

George Bernard Shaw says marriage is popular because it combines the maximum of temptation with the maximum of opportunity. * * * *

Then there is the story about the small boy trying to get a tire off the car and the 1b)*!?* thing just wouldn't come off. He was swearing loudly when a that cannot be explained, a kiss or priest happened along and told him he shouldn't swear an embrace is always funny to the -maybe if he prayed it would come off. So Johnny said a prayer for a minute or two, and the tire fell to

Thor, God of Thunder, used to hurl a thunderbolt across the world every morning when he got out of tribute. bed, and shout for all to hear, "I am Thor, I am

Then he married. The day after his marriage he got up and shouted as usual, "I am Thor, I am Thor." His wife replied, "You're thore, thay . . ."

Stupor: Being unable to respond to external influence, like when a fellow takes a girl in the Tunnel of Love to show her how his Mickey Mouse watch of the naive childishness, the odd but in "Watch on the Rhine" it was consistently in the middle range; shines in the dark.

Engineer (staggering to bar)—Gimme a horse's

Friend (same condition, only worse)-Gimme a horse's tail; no sense killing two horses.

and the essential industries need many times the number of these personnel that the universities are now training. They also have stated that, in general, students will be of more value to the war effort if they continue to finish their courses and graduate.

Unfortunately, the authorities at Ottawa have failed If we do not come up to these new standards, we will be punished, at least that is the way in which it to those that they effect primarily, the students. With has been presented to us. And how are we to be everything so indefinite, with the Government failing son Creek. punished? The punishment is that we will be drafted to state its policy publicly, it is not surprising that the into the army, and only the army, not the navy or the student body is in a ferment wondering whether to stay in college or chuck the whole thing and do what is strange that it should be regarded as a punishment is easiest—enlist in one of the branches of the armed

> Such a situation could be rectified to a considerable extent if the Government explained that universities are essential toward victory and are required to train place the one drunk since 5:00. He and hooking them together again in a different order. The Government has men in special technical lines. The Government has spent much money in publicizing the great need for munitions workers, welders, food producers, lumber men, coal miners and shipbuilders, but they have not they have to hoist the odd one on sold the idea of university trainees to the public through releases to the newspapers and the radio. Such a procedure would more truly fit the facts than the adverse publicity on the ejected ten per cent carried recently by the wires of the press associations.

Orders-in-Council related to the control of university students have not been published widely, nor has any attempt been made to interpret the obscurely worded and, sometimes, apparently contradictory regulations contained therein. This is especially true of Order-in-Council PC9566, which applies to science students. These regulations imply that science stu-dents, if their records are satisfactory, are to continue we negotiate all the curves to West-them. Right now he is taking the dents, if their records are satisfactory, are to continue in college to graduation and will then go to the armed services for training as technical officers or be assigned to such technical work as the Minister of Labour may the pub. (Those were the good old sister, can you spare a kiss? times has not been brought out as clearly as it should require. The regulations also state that no one can negotiate with or employ any student without the perbut also from the standpoint of mission of the Minister of Labour.

This Order-in-Council gives the science students Members of the Government no lead in how they may seek summer employment.

"Pocket Books", 150 Titles, 39c each Oxford Pamphlets on World Affairs, 10c each

THIS DEPARTMENT IS OWNED AND OPERATED BY THE UNIVERSITY OF ALBERTA

UNIVERSITY BOOK STORE

Watch on the Rhine

(Continued from Page 1)

There is little to say of Doris Williams as Babette. She made a very acceptable child, with a good deal of the winsomeness and delicacy expected in the part. Indeed, her childish confusion and embarrass-ment at times, could hardly be improved upon.

Of the women, only Isobel Mac-

but my own better half took me to task for saying so. When I went back Saturday night, I though she was so good that she was good. I There is no doubt, in either case, that her performance was excellent and fitted the part perfectly; but the question in my mind is whether by some stroke of luck or genius the Director found an actress naturally fitted to the part, or whether the part was actually created. I should dearly like to see Miss MacGregor in another role and satisfy my curiosity on this point. At any rate, surely nobody could better present the shabby, hunted, half-starved wife of an anti-Fascist. In her stage get-up and in her furtive, erratic gestures and movements, she vividly revealed the tragedy, the nervous harassment and strain suffered by those women whose husbands fight for decency in the world. There were no smooth speeches, no smooth gestures nor sweeping ones, and the years behind her were almost visible. She was never out of character for a moment, whether she needed to speak or not, and some of her gestures, revealing her past pain over her husband's hands, were harrowing. She lived the part; and if there were any dry eyes in the audience, either Friday or Saturday, when she urged her husband to return to Germany at the end of Act II or when he left at the end of Act III,

they were not mine.

Miss MacGregor deserves one special tribute. For some reason University audience. No doubt these things are sometimes awkward. But the acting of Miss MacGregor and e ground.

"Well, damn me all the way to hell!" exclaimed e priest.

* * * * * *

Mr. Carr was so sincere and so honest that on Saturday night, at any rate, their leave-taking was performed before a house profoundly silent. I do not remember any other actors who have compelled this

> In this part, then, and in that of play might be well done indeed. Mr. Carr, as Kurt Müller, there is no and Mr. Carr in these roles.

out, or at fault, when playing opposite this lad, a fact which speaks volumes for his quality and his

Bob English as Joshua, his older have doubted that he could do better

UNCLE JOE'S CORNER-

brother, a gawky lad of furious than his stunning performance in convictions, did very well with a "Candida," but on Friday and Saturpart by no means easy and with long periods of silence.

Bob Willis was equally acceptable day nights he was Kurt Müller, Kurt Müller, and not somebody play-acting Kurt Müller — simply,

as Joseph, the Negro butler, but the convincingly, completely Kurt Mülcostume and part seemed a little ler. There was only on detail in overdone. It is the author, not the which a flaw could be found: his actor, who is to blame.

hands were not Kurt Müller's; they

fine, unbookish simplicity of the

character itself made the perform-

In the last analysis, of course, the

music lured out of a tin inside an-

Mr. Graham was expert enough as

can-opener to reduce the inevitable

blurts and blats and static to a

minimum; but he is known to be so

sensitive to music that if he heard

any of it in the auditorium, he must have had doubts about the beauty

of this final triumph of modern

science. Is it necessary to remind

the Dramatic Society that there exist

at the University a Music Club, a

Band, and an Orchestra? Surely in-

terval music could be much more

agreeably provided direct from the strings than by records through loud speakers by remote control. Indeed,

the coming "Gondoliers" might have

been much more effectively advertis-

ed by a few instruments from the

orchestra than by the slip-sheet in-

As a final comment on the play, perhaps I may say that it is whole-

ome for an instructor to see stu-

dents on their own and in a different

ight from that of the classroom.

After a performance like that of

serted in the programme.

too!) with genuine humility.

other tin by Mr. Victor Graham.

Jim Spillios was called upon to were not, or at least not always. take the part of David only ten days broken hands. But the deep conbefore the play opened. It speaks viction with which he played the well for his experience and talent that he was able to master the part, his acute sensitiveness to it, that he was able to master the part Under these circumstances, to point out that he seemed rather ance one to remember. it will be no injury to Mr. Spillios physically and unexpressive vocally. His playing lacked those shades and nuances of meaning and expression so well shown by Mr. suffered a little by the failures of Shoctor and Mr. Carr, but it is hard recent years, everyone must now to see how he could have done much grant that when he has anything to better as such short notice. He was certainly better than could have been architectonic direction seemed ex-

the suave and unrealistic villain, so the exit. When every actor heads accepted. dear to the stage and so unknown elsewhere, and make him completely net result is to spoil a little the real. Even the University audience accepted it, and surely there is no audience less willing to give the actors a "break." Mr. Shoctor peractors a "break." Mr. Shoct actors a "break." Mr. Shoctor per-haps, to a refined taste, allowed his contributed. There were, it is true, gestures and tones and expressions a few spots where the movement to run away with him a little; some of my friends have said so; but I the beginning, there was some diffireturned Saturday night intending to satisfy my mind on this point and but these faults are probably due the satisfy my mind on this point and found no flaw in his work. He has a author and the hall. In looking his attitude, or apologize again. Re-heautiful voice, capable of great through the printed text of the play, member, "sir", that impartial readrange of expression—indeed, it ought I have noted many places where Mr. to be remembered that this voice, as Jones improved upon the stage busiwell as Mr. Carr's, created a contrast that was disadvantageous to production, in short, was a fine piece the flat tones of Mr. Spillios who of interpretation. would otherwise have seemed much better. I found myself, as a person required to do a great deal of reading, time after time envying Mr. Shoctor the quality of his voice, its carrying power, its splendid range of tone and I of tone; and I am sure it was far more this instrument than his stage presence or his gestures that carried the part. Indeed, his posing and his theatricalness, however, well suited to the character, would have seemed absurd had he not mesmerized the audience with his voice.

At the end of the Performance on Saturday, Mr. Shoctor remarked that he would like to play Richard in "Richard III." The suggestion is one the Dramatic Society might well remember. If he were available for the lead, capable as he is of the "silken, sly, insinuating" villain, the

Mr. Carr's acting was definitely cheapness and no hoakum. It is the best in the play. It must be here that the author has something acknowledged, of course, that he to say and gets it said. We were had something to play; the author fortunate to have Miss MacGregor was kind to him. His complete submergence in the part may be indi-Of the male actors, Johnny Kuzyk cated by the fact that I had supwas the youngest and in some re- posed his voice to be high and thin noticeable that no other actor was and I would not now be surprised to hear him next year in basso profundo. What his normal or natural

voice may be, I have no idea.

This lad is an actor. One might

THE MUSKEG SPECIAL

Today Uncle Joe is going to take some of the cobwebs.

National Depot in Edmonton, where crack express, "The Muskeg Spedecides he needs another 40 to rethe train, but also goes along to emerges two trains, one for Peace get a crock for himself. Of course, River and one for Dawson Creek. the way, so it is well on to 7:00 before we leave and go streaming down the track.

Leaving Edmonton, we head north other side. roaring through the picturesque countryside. Just before dipping into the Sturgeon Valley we catch a a round trip to Spirit River or an glimpse of St. Albert with its hour's session in the tavern with myriad memories. Climbing out of Uncle Joe. the valley, we rocket through Car-Dawson Creek

Now the hogger really puts the lock, where we pull up with scream- Doc's shirt as well as the boots ing brakes in a cloud of steam and smoke at 9:45, just in time to make coats, "From one Babe to another, days when the taverns closed at 10.) With the engineman in the van, we all stagger to the bar to take on a

Beyond Westlock we knife through the satin night past the odd hamlet and plunge into the weird reaches the beautiful girl opposite), and the nearby creek.

hands, and we will go through the and Hythe for beer. coaches. Those men under the smoke are playing poker. Just listen lustful songs. Step over that dead (distance, 1 mile) and return. The soldier (empty bottle to your little sisters). That, Johnny, is a bird. That engineer, like the train, is of Edmonton.

negotiating some curves.

Soon the newsy will make his rounds and do a roarng trade in coffee and tomato juice. Even now then, goodbye, kiddies!

Next week Uncle Joe may take you north of Dawson Creek where mickeys sell for three fins. Until then, goodbye, kiddies! some of the revellers are calling for red-eyes as the train slides down the Athabaska valley. Just before crossing the Athabaska at Smith, the engine takes on coal and water, ticklish.

and we can step outside and clear

Pink Pachyderms" done in brilliant We start our trip at the Canadian technicolour.

At McLennan we all rush madly we board the Northern Alberta's to the hotel or cafe for breakfast of black coffee and toma juice, while cial." We are supposed to leave at three engines pounce on our train 5:15, but at 5:45 they are still and tear it coach from coach. Don't loading express. At 6:00 we are worry, kiddies, they are merely ready to go, but Redface the Indian switching, a process of bumping and banging coaches all over the yard understanding, for he not only holds moil lasts for an hour and from it

West again, and before long we are twisting down the Smoky River valley to Watino, where another engine meets us and pushes us up the

Soon we arrive at Rycroft. Now, kiddies, you have a choice between

Southward from Rycroft to bondale, where the track forks, one Grande Prairie, spending the time branch to Waterways and one to drinking beer and shooting craps with the porter. Last night he tried to take the Doc's boots to

At Clairmont we met the eastbound express, and during the ensuing struggle as to which train takes which cars which way, we stock up at the pub. From Clairmont it should be

smooth sailing to Dawson Creek, of the muskegs, where twisted trees but at Dimsdale the conductor sees livious of nature (except perhaps the engineman goes fishing in a the beautiful girl opposite), and the nearby creek. Today both were lucky, and in a few hours party rages gorgeously.

Now, kiddies, give Uncle Joe your again rolling with stops at Wembley

At Pouce Coupe we wait while someone haggles with the local to those lusty men singing their cabby to drive him to the Vendor

Next week Uncle Joe may take

He-Where can I get hold of you? She-I don't know. I'm awfully

CORRESPONDENCE

On Oct. 2nd last a new Gateway policy was announced in a fine editorial. The gist of it was: "We must constantly bear in mind that an undergraduate newspaper is the voice of its students, published by the students-for the students. It should therefore express the views of the average cross-section of the student body, and should cater to their interests." Since then this policy has been ignored on several occasions production of the play was that of the Director; and if Mr. Jones has tainly by the Friday editor. Probably that Aggie who presumes to be a newspaper man did not even read his chief's declaration.

At the time of the Freshman elections last fall the Engineers' slate architectonic direction seemed excellent, his grouping and handling of was openly attacked in The Gate-The astonishing thing about Mr. characters. One might, perhaps, ob-Shoctor was that he was able to take ject to the invariable pause before policy. An apology was made and

Recently the Friday editor again attacked the Engineers through the for the door, pauses, goes out, the that decrepit organization, the E. S Are such statements to be creaked a little; and, especially at tolerated in news article written by the Friday editor himself? Not if The Gateway adheres to its policy Mr. Bevan, therefore, should explain ers hold the entire study body re-Jones improved upon the stage busi-ness dictated by the author. His are responsible to the student body not to the Ag Club, but you do not present the general student opinion when you refer to the largest faculty club on this campus as a "decrepit A remark may be made about the

organization."

For some time now much has been said about the feud between the Engineers and Aggies. Good. University would be very dull with-out it. But let us keep the rivalry within the bounds of such columns as "Slide Rule Slants" or the Engineer edition of The Gateway. If the Aggies wish to put out a Gateway to match the Engineers' edition, we shall welcome the competition, no matter what they call us or our organization. But we do not want an Aggie edition every Friday. That is what we are getting when a thoughtless editor is allowed to usurp the authority to use a front-page news item announcing the Ag Bal as a means of attacking the Engineering Student Society, and in the same edition to use as a column filler on the Sport Page a similar news item concerning the Engineers'

The Gateway is our paper, Mr Editor, as well as the Aggies'. After a performance like that of are responsible to us for your state-watch on the Rhine," at least one ments, and we are entitled to an professor returns to lecturing a few explanation for your attitude toof these fine actors (and on Drama wards our organization.

"SURE I'M HAPPY!"



a mild, cool, sweet smoke—it helps a man to concentrate while he's working and to relax when he's through. Be happy with Picobac".

Picobac

GROWN IN SUNNY, SOUTHERN ONTARIC

Theatre Directory

ODEON

RIALTO-Starts Friday, "Commandos Strike at Dawn," starring Paul Muni, Anna Lee and Lillian Gish

VARSCONA—Double feature currently showing, George Formby in "It's In the Air"; also "Shipyard Sally," starring Gracie

FAMOUS PLAYERS

CAPITOL—Beginning Thursday, a thrilling sea drama, "The Black Swan," starring Tyrone Power and Maureen O'Hara.

EMPRESS-Last two days, "The Avengers"; added hit, "Arkansas Judge," starring Roy Rogers.

GARNEAU — Coming Thursday, Friday and Saturday, "Here We Go Again," with Fibber McGee and Molly, Edgar Bergen and Charlie McCarthy, plus "Swamp Water" and News.

PRINCESS—Currently showing, "Moon Tide," with Jean Gabin, Ida Lupino; also "A Gentleman at Heart," with Cesar Romero.

STRAND—Currently showing, two grand hits, "Flight Command" and "Come Live With Me."

Shelters Not Needed If Engineers Heeded

1. In case of an air raid alarm, "Run." It doesn't matter where you run as long as you run like hell. It is suggested that you equip yourself with track shoes, so that you will have no trouble getting over the people in front of you.

2. Always make the most of an air raid alarm: (a) if you are in a bakery, grab a pie; (b) if you are in a movie, grab the nearest blonde; (c) if you are in a bar-room, grab the nearest bottle.

3. During an air raid alarm, yell bloody murder. It adds to the con-fusion and scares hell out of the

4. If you find an unexploded bomb,

shake it-the damn firing pin may be stuck. 5. If an incendiary bomb falls in your neighborhood, throw some gas

may as well have some fun). 6. Always eat garlic, onions, or limburger cheese before entering an air raid shelter. (It will make you over-unpopular with the people of your vicinity, but will help alleviate

crowded conditions.) 7. Do not pay any attention to your air-raid warden. If he won't get out of your way, knock him down, as he is just trying to save the best places for his friends, anyway.

8. The particular properties of the bomb release hydrogen when water is placed on it; in fact, ignites the hydrogen in the air resulting in rapid

Dear Cousins:

Your Uncle has a job at lastthe first time he has worked in 48

We are rich now-\$17.25 every Thursday—so we sent to T. Eaton Co. for one of these new-fangled bathrooms like you rich people have

It came, and we had her put up so we could use it. Over on one ide of the room is a big white thing like the pigs drink out of. You can climb right in the thing and pour water all over you at the same time.

On the other side of the room is a little white gadget on the wall called a sink, for light washing, like hands and face. They also sent up a roll of writing paper, but it is kind of cheap, I think—it rips easy.

But over in the other cornerwow! They got a thing over there you put one foot in and wash till it gets clean, then you pull a chain, and swish! you got fresh water for the other foot!

> Yours truly, Cousin Abner.

HAVE YOU HEARD ABOUT

The Little Moron who was so shy she went into the closet to change

The Little Moron who cut off his hands so he could play the piano by

The Little Moron who stayed up all night studying for a blood test? The Little Moron who took a ruler o bed to see how long he slept

The Little Moron who built a stepladder with no steps, to use when washing basement windows?

The Little Moron who cut off his arms so he could wear a sleveless

The Little Moron who put a box of matches on the mantle at noon and waited for the clock to strike one?
The Little Moron who hurt his nead when the seat fell while he was putting some toilet water on his

The Little Moron who went to bed with an alarm clock because he heard it was fast?

The Little Moron who thought on it (you can't put it out, so you

Father's Day was nine months be-fore Labor Day? The Little Moron who wouldn't talk through a screen door because

he was scared he'd strain his voice? The Little Moron who pushed a cow over the cliff so she could hear the Jersey Bounce?

The Little Moron who thought that virgin wool came from the sheep hat could run fastest?

The Little Moron who cut off his fingers so he could write shorthand? The Little Moron who made love to his girl friend under a toadstool? He thought it was a mushroom.

The Little Moron who 'phoned up ombustion (in fact, it explodes with a helluva mess).

9. If you are the victim of a direct hit, don't go to pieces, be still and no one will notice you.

The Little Moron who phoned up his friend at 3 a.m. and apologized by saying, "I'm sorry to 'phone at this time. I hope I didn't disturb you." To which the other Little Moron replied, "Oh, no. I had to get up to answer the 'phone any-

way."
The Little Moron who spent \$1,000,000.00 to get rid of his B.O., then found out that people just didn't like him?

The Little Moron who took his nose apart to see what made it run? The Little Moron who asked the painter to get a good grip on the brush because he wanted the ladder for a while?

HE DID HIS BEST

A young husband was asked by his bride to copy a recipe from the radio. He did his best, but got two stations at once. One of them was broadcasting the morning exercises, the other the recipes. This is what

knees and depress toes and mix thoroughly in ½ cup of milk, repeat six times. Inhale quickly ½ teaspoon baking powder, lower the legs and mash 2 hardboiled eggs in a sieve, exhale, breathe naturally and sift in a bowl. Attention! Lie flat on the floor and roll in the white of an egg, backward and forward un-P.S.—Two lids came with the til it comes to a boil. In 10 minutes damn thing, and we don't need either one of them, so maw uses one with a rough towel. Breathe naturfor a bread board and we framed Grandpa's picture in the other one. ally, dress in warm flannels and serve with soup."

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Leading Scientists at the U. of A.

GEOLOGIST



DR. RUTHERFORD

Dr. Rutherford started his geological career as chief of one of Dr. Allan's field parties, earning a good reputation in that capacity. He took his B.Sc. in Geology at Alberta and graduated in 1919. From here he went to Boston Tech and spent a year there. This was followed by two years at Wisconsin, where he received his Ph.D. degree.

During his student days he worked with the Canadian Geological Survey

with the Canadian Geological Survey ing the following year he gained his as field geologist. He came back to Edmonton as field geologist for Industrial Research Council, and at the same time became a lecturer on the staff at Alberta. Much of his work was done in Canadian footbills. work was done in Canadian foothills and Peace River country, where he investigated the water situation. In 1937 he became an associate professor, and for the last few years has been consulting geologist for

(3) carry a jackknife and a pair of scissors; (4) carry the government library card from 103rd Street in a prominent place.

AH COW

The cow is a mammal. It has six sides, right and left, upper and lower, and back and front. At the back it has a tail on which hangs a brush. With this he sends the flies away so they don't fly into the milk. The head is for the purpose of growing horns and so his mouth can be somewhere. The horns are to butt with and the mouth to moo with. Under the cow hangs milk. It is arranged for milking.



and there never is an end to the supply. How the cows does it I I must admit there is little time more and more. The cow has a fine sense of smell, and one can smell it But why not stop and reconsider from far away. This is the reason Before you show the world your

for the fresh air in the country.

A man cow is called a bull. The cow does not eat much, but what it I know you'll say that's hard to do, enough. When it is hungry it moos and when it says nothing at all it is because its insides are full up with through; And after all, I guess you're right, but still, it keeps us up all night.

—Quoted from Some Place.

"I had to fire my new stenographer

today."
"Why, wasn't she experienced?"
"No. I told her to sit down and she looked around for a chair."

The one that's closest is the best.

And just one thing remember, please, she looked around for a chair."

CIVIL ENGINEER



PROF. R. M. HARDY

Among the many men who make Civil Engineering staff here at the University of Alberta.

We are proud to know that he is a westerner, having reveived his B.Sc. degree in Civil Engineering at the University of Manitoba in 1929. Durhas been consulting geologist for of least work with the undergrad-Renowned in classes for his humor and his attributes of a man, namely, (1) carry a \$ J. I. Case with a Cock-thut movement (those things on your wrist are too effeminate); (2) moke a pipe (again, cigarettes are from his duties here to spend a year of the undergraduates, but includes a warning that the least work may sometimes lead the least work may sometimes lead the least work with the undergraduates, went to McGill University, received the property and incidentally became a father (O. J. Junior comes into the picture here!)

Dr. Walker came to the University in the early '20's. Always he has been a champion of the Engineers, growth and the undergraduates as went to McGill University, received the property and the property of the property of the property of the undergraduates, but includes a warning that the least work may sometimes lead the picture with the least work and some a champion of the Engineers, growth and the least work are property of Michigan doing post-graduate work, and at a later date was given leave of absence that the undergraduate was property and the least work are property of Michigan doing post-graduate work, and at a later date was given leave of absence the property of the undergraduate was property and the least work are property and the least work are property of Michigan doing post-graduate work, and at a later date was given leave of absence the property of Michigan doing post-graduate work are property of Michigan doing post-graduate work ar and his attributes of a man, namely, to more work.) He spent two sum(1) carry a \$ J. I. Case with a Cockmers at the University of Michigan shut movement (those things on doing post-graduate work, and at a your wrist are too effeminate); (2) later date was given leave of absence smoke a pipe (again, cigarettes are too effeminate) and wear a bow tie; at Harvard to gain further inform-

> As an associate member of the Engineering Institute of Canada, he is active in the organization's work, having held several executive positions in the local branch. He holds the title of Dominion Land Surveyor. In and out of the University we find Prof. Hardy dealing with work from the actual civil field.

To many on the campus, Prof. Hardy becomes Sqd. Ldr. R. M. Hardy, Officer Commanding the University Air Training Corps. Included in his duties is that of lecturer in navigation and related subjects.

A man of several interests, pos-sessing a wide knowledge of his several subjects with a definite ability to "put across" his material and opinions, Prof. Hardy has earned enjoys outdoor vacation the respect of all with whom he has Jasper summer cottage. come in contact.

ODE TO A BIRD

I always pray I shall never see A bird in anything but a tree, When people milk, milk comes It's to find them lying on the floor.

have not yet realized, but it makes To think-"What shall I do with

eats it eats twice so that it gets The start must have the follow

When you deposit one or two, Here is the thing that you should do: Just use a bog on right or left, The one that's closest is the best.

CHEMISTRY HEAD



DR. O. J. WALKER

Dr. O. J. Walker is well known to engineering their work and their Engineering students as Acting Head hobby, one finds Prof. Hardy of the Department of Chemistry and popular Honorary President of E.S.S. All engineering students have the fortune (or misfortune) to meet Dr. Walker in his famous Chem. 40-Inorganic Chemistry. The Chemical Engineers also have dealings with him in Chem, 58, Chem. 62 and the Journal Club.

Dr. Walker received his undergraduate training at Saskatchewan, graduating from there with a B.A. Later at Harvard he took postgraduate work and gained his M.A. From there he returned to Canada and married a talented young musician, the sweetheart of his under-graduate days. Dr. Walker then went to McGill University, received

serving once before, in 1928-29, as Honorary President of E.S.S. An active member of the Canadian Institute of Chemistry and the American Chemical Society, Dr. Walker has consistently been interested in the University Chemistry Club and related student activities.

In addition to the heavy teaching load which he has carried, Dr. Walker has carried on considerable research work, notably on fluorine and water. He has published papers on "The Removal of Fluorine from Alberta Waters," "The Determination of Small Amounts of Fluorine in Water," etc. One of Dr. Walker's most recent publications is "Selen-ium in Soils, Grains, and Plants in

Dr. Walker is also well known as one of the University's outstanding southpaws. He is fond of athletics, is an active badminton player, and enjoys outdoor vacations at his

Familiar to most engineering students are Dr. Walker's two sons, Jimmy and Wilf. Jimmy graduated in Chemical Engineering in 1942, and is now working in a war plant at Shawinigan, Quebec. Wilf is Freshman here this year, and is building himself a reputation as an ardent swing fan.

breezy matron from Chicago was westerner in her place.

"Here in Boston, you know," one of the good ladies remarked at tea, "family is the thing that counts. We are interested only in breeding" "Well," commented the lady from Illinois, "out in Chicago we have a lot of fun too, but manage to have some outside interests."

Think of this for evermore-One in the bog is worth two on the

GORDON WEIR.

The Sixtieth Chronicles

By R. H. Lamb

1. As the forty second year of the Twentieth century drew to a third quarter, there came to the city of Edmonton a band of wandering

2. And they did take up residence in the school of cogs and transits of the house of kings.

3. Among those who came were men from the south, and Hermie, and men from the north, and Hermie, and men from the east and west, and Hermie. And lo! Strange were

4. On the first day the sun did rise, but they did not. As the hour advanced unto noon, they came with weary steps unto the temple of learning.

"The mainlers and customs."

"The mainlers an

5. And it came to pass that the rites of initiation and registration were held that day, in the room of the inner temple known as Con Hall.
6. And later the chief priest came to preside, and he spake many wise words unto them, saying:

7. "Verily, verily, I say unto you, you are as dirt on the ground, and I shall walk upon you." the tearing of hair and the wearing of sackcloth and ashes.

18. So they did thumb their noses

and took consolation in that which maketh the heart of man glad, namely, the proverbial forty beers.

great was the merriment of all.

19. Thereafter, all imbibed from the fountain of learning, with great themselves. 10. There were those who sought the maidens of the temple, and they welcomed them, and enticed them

the lyre known as the juke box.

they had not one piece of gold, yea not even one small piece of gold with which to buy even one short world once more.

13. And great was the wailing and gnashing of teeth and wearing of sackcloth and ashes.

they went to a local tavern known to all of ill-repute as the "Barn."

23. Into the tavern they brought

. 14. Each day they went to the place appointed by the great priests, at the eighth hour. And as the talk unto them, there arose a noise like that of many people wailing in their sleep, called by the uncultured "snoring," and great was the

one lunar period as the multitude gathered in the inner temple, they were laden with papers that were invisible to the priests, for the time of testing was at hand.

16. But the priests kept a watchful eye, so they could not drink of the knowledge thereon. 17. So, great was their disgust, and

hall walk upon you."

18. So they did thumb their noses at those who held authority, and took themselves into the world, and 30. And they rejoiced and

with strange music that came from

20. And it came to pass that after lamentations of their enemies. 11. And they were glad.

12. And it came to pass that after the first week had come to a close, ment at the destruction which they gospel according to the Engineers.

22. But as if drawn by loadstone,

much which makest the heart of man glad, from the place appointed to vendor such things, by the king.

cock, many strange visions appeared unto them. It seemed like toads, lizards, and elephants of a pinkish hue did chase them.

26. And great was the wailing and holding of heads and gnashing of 27. And the day was spent in the wearing of sackcloth and ashes, and all repenteth that which they had

28. And it came to pass that some of the Engineers did not come to pass, and those who held authority came and spake unto them saying: 29. "Verily, verily, take unto thy-self arms and learn the art of war-

30. And they rejoiced and were envied by those who stayed.
31. And herein all distinguished

gusto, for after the second lunar period another time of testing did arrive, and great was the concern thereof.

32. And surely as the days pass into months and the months into years, they shall go forth and meet their enemies, and great shall be the



COMMANDER E. G. CULLWICK

On January 1st, Professor E. G. Cullwick, now Commander Cullwick R.C.N.V.R., left our campus for Ottawa to assume his post as founder and head of the Electrical Engineering Branch of the Royal Canadian Navy. The department of Electrical Engineering was sorry to see such an excellent professor and head leave, but were proud that he should be chosen for such an important duty. Commander Cullwick justly deserves the great trust placed in him by our Government.

With the coming of the war, the Navy was faced with the problem of training personnel. Largely through the efforts of Commander Cullwick, the first Naval Electrical course was established on this campus in the spring of 1942. Under his skillful organization and direction, naval electrical training has developed extensively, and Lt. Commander K. A. Mackenia, R. C. N. markenia, Mackenzie, R.C.N. naval liaison of-ficer to the University, has said: "The University of Alberta has

been a pioneer in this work, and today offers the most comprehensive electrical course in Canada. Other universities might well follow suit, as the number of men required fo this work will mount.' In addition to this, a newly estab-

course is now in session at this University, and a third naval electrical course will commence shortly. We feel that Commander Cullwick has just made another step forward in what has already been a career

of which he may be proud.

lished Naval Radio Director Finding

He attended Downing College, Cambridge University, as a Foundation scholar, and obtained his B.A. in 1925 and his M.A. in 1929. From 1925-26 he was associated with the British Thomson Houston Company British Thomson Houston Company; he was then employed by the Canadian General Electric Company from 1926-28. In 1928 he was appointed Assistant Professor of Electrical Engineering at the University of British Columbia. He returned to England, and from 1934-35 he was lecturer in science at the Royal Military College. In 1935 he was appointed Associate Professor of Electrical Engineering at U.B.C. Since 1937 he has been Professor and head of the Department of Electrical Engineering here at II of A trical Engineering here at U. of A.

visiting among the First Families of Boston, and the Back Bay dowagers were proceeding to put the middle past for the advancement of science ability which he has exerted in the past for the advancement of science and engineering education.

> The ship of state for an even keel Needs tons and tons of corset steel. The die is cast, the fates have writ-

ten, That ladies now must bulge for

It is officially announced that the Japs have taken Sal Hepatica—the war office has confirmed the report, but doubt their ability to hold it. A later dispatch stated that the strain on the rear is tremendous; they have been caught on the run several times trying to evacuate along the lines; several flank move-ments have been made—while the action at times brings heavy gas

The Japs have tried to suppress the report, but it leaked out, and the Allies got wind of it. The Japs now realize the value of a scrap paper.

To Build Or Not To Build

The boss couldn't post me on a moment's notice to McMurray for the summer to build airports! He couldn't send the key office man into the wilds on any small survey job! Whom did he think he was shoving around? I would quit be-fore I moved an inch from my desk! The next day I took the train to

McMurray. At the station an Aggie, going north also, found it impos-sible to leave behind his best friend Bessie, a decrepit cow, and decided to take her along. After being instructed by the conductor to put the cow at the back of the train, he sat down beside me assuming the Aggie expression of utter confusion. After an hour of boredom, I opened conversation by estimating we were

"My God!" he whispered in awe,
"Bessie sure must be legging it out!"
On arriving at McMurray, due to
the shortage of men, we organized a survey party consisting of chainwomen, rodwomen and instrument-women to run the line. After four months of utter bliss, and still no signs of an airport, we left those idyllic shores and flew back to grim civilization.

BEERMEN SWELTER IN TRAIL SMELTER

How would you like to be sitting at an open window with tempera-ture at 110, looking down on the city of Trail and the Columbia River, with a barren mountain on the other side of the city staring you in the face, and have the delicate scent of H₂O and SO₂ fumes wafted down to you from the smoke stacks? It has the reputation of being the hottest city in Canada, and that isn't hard to believe.

There were about 300 students there this summer from Western Canadian universities. On June 12th the Engineers from U.B.C. and U. of A. held a pointer dance (sweater dance to you). The prac-tical nature of the engineers was shown in their choosing the only dance hall in town that had a beer parlor on either side. Possibly this was partly responsible for the dance being so successful.

riety of amusement to satisfy any-one's particular taste, and each person seemed to have a particular attraction. Some like to spend their spare time at Sandy Island, others at Nelson or Playmor, and still others just went as far as Hunt's Confectionery (didn't they, Harris?) Here, fellows, is a problem, so whip out your slip stick. How much energy would you use riding a

There seemed to be enough va-

your results, ask Sather or Donald. Incidentally, both girls were redheaded; maybe you had better consider that in your estimate.

Before leaving, some of the students were taken through the War-

bicycle from Trail to a secluded spot on the river bank? If you want experimental verification for

field plants, and saw the whole of Warfield—the rest of us just saw the

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"I won't offer you a cocktail, Mr. Brown," said the hostess, "since you are head of the Temperance

"No, I am president of the Anti-Vice League." "Oh. Well, I knew there was something I shouldn't

Why was the Statue of Liberty surrounded by water? Because the professor didn't see her with her

Capt. Smith was a very religious man, and the language of Corp. Jones much given to profanity. So the Captain spoke to Jones on the subject, repri- Prof. Salter. manding him severely. Just as he finished a German bomb landed near them and covered them with

"Well, goddam their Nazi souls to hell," the Captain said, then added, "As Corporal Jones would say."

* * * * A romantic pair were in the throes of silence as the car rolled smoothly along an enchanting woodland path, when the lady broke the spell:

"John, dear," she asked softly, "can you drive with

"Yes, my sweet," he cooed in ecstasy of anti-

"Then," said the lovely one, "you'd better wipe your nose, it's running."

A drunk, watching police dragging the river, "Whatcha doin'?"

"Looking for a drowned man." "Whatcha want one for?"

. . . . Cockney Bill, blown through a window by a bomb, remarked when he came to, "Crikey, I got

outa there just in time." The follow who had trouble with rats in his base-

ment eating the apples and nuts he had stored there finally set a trap by each box. Next day he was down in the cellar looking at the traps when his wife called down:

"Did you get any, dear?" "Yep. I got one."

"Did you get it by the apples?"

When asked in Poly Ec. for an example of indirect taxation, Buckley replied, "Dog tax, the dog doesn't

. . . . Maisie was in a bar having a beer when a friend from England walked in.

"Aye say, Maisie, are you 'aving one?"

"No, it's just the cut of my coat." * * * *

Drunk-Shay, can you tell me where the other side Cop-Why, of course, it's over there.

Drunk-Thas funny; fellow over there said it was

A Chinese cook was walking through the woods. He turned around to see a grizzly bear following him, melling his tracks.

"Hm," he said, "you like my tracks? Velly good, I make some more." * * * *

Johnny was rushing to school and praying hard not to be late. "Oh, please God, don't let me be late. Oh, please,

I can't be late again.' In his rush he tripped over a protruding root and

fell.

"Well, goddamighty, you don't have to push."

Co-ed to boy friend, who was driving wildly down the road: "For Heaven's sake, use both hands." B.F.-Can't. I need one to steer with.

During a heavy bombardment of an English city an ARP warden called down into a public shelter, "Are there any expectant mothers down there?"

A feminine voice replied: "Hard to say. We've only been down here a few minutes."

Ezra-Who's that close-mouthed gent over thar? Zeke-He ain't close-mouthed. He's awaiting for the janitor to get back with the cuspidor.

When asked in his first aid exam what to do if a woman's dress caught fire, Ripley wrote: "Throw her to the floor and rape her in a blanket."-Apologies to

* * * * When she calls you to her bedroom, In the middle of the night;

And beneath her half-closed eyelids You detect a tell-tale light;

When her bosom heaves tumultuously, Like the tide upon the ocean,

And her voice is low and tender, Betraying her emotion; When she beseeches and implores you, And she grasps your trembling hand,

To alleviate her sufferings From the torture of the damned From the .

—That's asthma.

* * * *

"I took the recipe for this cake right out of the cook book."

"You did perfectly right. It never should have nde sie sie sie

"Itches," says Col. Stoopnagle, "is something that when a recruit is standing at attention his nose

. . . . "Why are you washing your spoon in your finger

"So I won't get egg all over my pocket."

"Do you know who I am?" shouted the irate colonel to the private who neglected to salute him. "Do you know who I am?" he repeated as the soldier looked blankly at him.

"Here, boys," said the private to his friends. "Here's something good. A colonel who doesn't know his own

Two men decided to have a sandwich, so they went into a cafe. The first one ordered a beef tongue

"Gosh!" said the other, "I couldn't bear to eat anything out of a cow's mouth. Give me an egg

Miss Van Upsnoot-Circumstances compel me to decline a marital arrangement with a man of no pecuniary resources.

Stupe-Er-ah-I don't get it. Uppy-That's what I'm telling you.

Nurse to Prof. in hospital waiting room-It's a boy. Prof.—What does he want?

Inspecting Officer-What have you done to purify the drinking water?

Sergeant-Well, sir, first we filtered it, then we

Officer-Very good, sergeant. Sergeant-Then we drink beer.

An enthusiastic golfer came home to dinner. While he was eating his wife said to him, "Johnny tells me

he caddied for you this afternoon, dear." "You know," said the golfer, "I thought I'd seen that boy somewhere."

Then there was the lisping shoe salesman, who said, "I'm thorry, Mith Thmith, but I'll have to look up

Two small negroes were standing on a street corner. One asked the other, "Is you fo' or is you five?"

The other replied, "I don't know." "Well," said the first, "do de gals bothah you?"

"No."

"Then you is fo'."

Voter (being canvassed)-I wouldn't vote for you if you were St. Peter himself.

Candidate-If I were St. Peter you couldn't vote for me. You wouldn't be in my district.

"And how is your good wife, Sultan?"

"Oh, she's all right, but the other forty-nine are

In spite of rationing, a lot of local motorists are still fueling around.

Magistrate (to nervous bridegroom)-I can't marry you. If this girl is only seventeen, you'll have to get her father's consent.

Bridegroom-Consent! Say, who do you think this old guy with the shotgun is-Santa Claus?

A man visited his banker the other day and asked, "Are you worried about whether I can meet my note next month?"

"Yes, I am," confessed the banker.

"Good!" said the client. "That's what I'm paying you seven per cent. for."

A Scotchman was presented with a pint flask of Scotch whiskey. Walking home briskly with the flask in his hip pocket, he did not quite sidestep a car that knocked him down. Getting up and limping slowly down the road, he felt something trickling down his leg. "Oh, Lord," he groaned, "please let that

The burglar, finding a lady in her bath, covered her with a revolver.

If a girl's a good loser at strip poker, is isn't always good sportsmanship. Sometimes it's just plain conceit.

A man, after horsing around, wakes up and finds himself a groom.

There was once an old man in Siberia, Whose life grew drearier and drearier, Then he broke from his cell With a hell of a yell,

And eloped with the Mother Superior. Much is blamed on the stork that should properly

An unobtrusive gentleman in a museum was gazing rapturously at a large painting of a shapely girl dressed in only a few strategically placed leaves. The title of the painting was "Spring" Suddenly his wife snapped, "Well, what are you waiting for? Autumn?"

A bunch of the boys were feeling merry, so Mary got up and went home.

Definition of a rhumba: An asset to music.

"Halt! Who goes there?" "American."

be blamed on a lark.

"Advance and recite the second verse of 'The Star Spangled Banner'."

"I don't know it." "Proceed, American."

. . . . Bub—Have you got a picture of yourself?

Roommate—Yeah. Bub-Then let me use that mirror. I want to

Mort—What time is it getting to be? Babe-I don't know, but it was Saturday night when you came

"Does it make any difference on which side of you I sit," asked the sweet young thing.

"Not a bit," replied the bold young man. "I'm ambidextrous."

Mother—What are the young man's intentions? Daughter-He's keeping me pretty much in the He-Going to have dinner anywhere tonight?

She-Not that I know of.

He-Say, you'll be awfully hungry by morning.

Old Lady (tickling baby under the chin)-And where did you come from?

Baby-Gooo!

Alert Stude (pointing to girl ahead)-Her neck's

Sleepy ditto-Oh! Does her? Prof.—I want you to give me the mood of the following sentence, "The farmer led the cow into the

Braintrust-The cow. Latest invention: Black pants for lightning bugs during blackouts.

"There's only one thing wrong with me, blondie. I'm color blind,"

"Yo' sho' mus' be, mistah."

pasture." What mood?

Two Cockney women were discussing the blackout. Said one, "The worst of these blackouts is that you're liable to be blasted to maternity at any time." "Yes, and you'd never know who done it, either."

First Sailor-Did she blush when her shoulder

strap broke? Second S .- I didn't notice. * * * *

Drunk, in telephone booth: "Number hell-I want my peanuts." * * * *

"I wish we'd get a few shipwrecked sailors washed ashore," mused the cannibal chief. "What I need now is a good dose of salts."

George Ballantyne says it was so cold in his boarding house the other night the Varga girls came down off the walls and got in bed with him.

The sofa sagged in the centre, The shades were pulled just so, The family all had gone to bed, The parlor lights were low, There came a sound from the sofa, As the clock was striking two, And the student closed his textbook, With a soft, "Thank God, I'm through."

We wonder if infants have as much fun in infancy as adults do in adultery.

Co-ed-Did I ever show you where I was tattooed? Boy Friend (hopefully)-No. Co-ed-Well, let's drive down that way then.

Wife-Couldn't you think of anything better than coming home in this drunken condition? Husband-Yes, m'dear, but she was out of town.

Dorothy Dix says if all the co-eds were laid end to end, she wouldn't be surprised at all.

Ag-Give me a stamp for this letter. Postal Clerk-Your letter is too heavy, it needs two

Ag-Don't be foolish. If it had two stamps it would be heavier still.

Feudal Lord-I hear you misbehaved while I was away, son. Knight-In what manor, sir?

Big drouth in southern Alberta—the trees are he can turn out a good ship around chasing the dogs around.

For Whom the Belle Peels The girl who, incandescent, glows When sun and wind have kissed her,

Is less alluring to her beaux When she begins to blister Her lawyer was a bashful man, And faintly blushed when he began

The poor dead husband's will to scan. . . . He smiled while thinking of his fee, Then said to her, quite tenderly: "You have a nice fat legacy!" That night while lying in his bed,

With bandages about his head,

He wondered what the hell he'd said.

ENGINEER RELATED HOW PLANES CREATED

The following is an extract from the speech delivered to the last E.S.S. meeting by Mr. Ades, Assist-ant Chief Engineer, T.C.A., and ap-pears through the courtesy of Mr. Ades and the T.C.A.

The study of airplane design must incidentally be a study of airplane designers, and should preforably in-clude a portrayal of the conditions under which commercial airplanes are commonly developed. The following article by Mr. Osborn of the Curtiss-Wright Corp., while a delightfully vivid misstatement of the situation, certainly leaves the most accurate impression to be found anywhere. In view of the wellknown outstanding performance of Curtiss-Wright airplanes, it is, of course, evident that Curtiss-Wright airplanes are not designed by the following methods: "Lately we have been very much

surprised to find that airplane design and construction seem to be sign and construction seem to be very mysterious to same people associated directly with the industry, as well as to the general public. They have no idea why a biplane is used for one type of airplane and a monoplane for the next type. They probably wonder why the engine installed was selected, and why the cabin or cockpits are arranged as they are. In fact, in some cases they have even wondered why the they have even wondered why the airplane was ever built. Realizing that some information along this line would probably be appreciated, we have interviewed a number of experienced designers we know, to learn from them the reasoning and processes by means of which a new airplane is created. They were glad to tell us their experiences, and we have condensed all of their stories into the following, which might be said to be the high points in the life of an average airplane in its journey from the draftng board to "As his favorite layout draftsman

is working up some advertising for the sales department, the Designer is much discouraged to find that he will have to use an inexperienced man and do the figuring and calculation himself. "Designer calls for a wing span of

37.5 feet. Layout draftsman mis-understands his writing and lays out the airplane to have 375 sq. ft. of wing area. "Airplane originally laid out as a monoplane. New Department of Commerce Inspector shifted to the district. New inspector has a great

preference for biplanes, so design is changed to a biplane. "President sends in word that speed is essential in all new aircraft

of the immediate future, and air-planes must be designed mainly for speed. Design is altered to suit. "Engine selected is the one manufactured by the Chief Engineer's golfing partner. Designer asks the world howinell he can turn out a good ship when he has to use an engine like that one? Chief Engi-neer's golf game gets poorer so that his partner beats his regularly. Designer ordered to shift to the best engine available in another company. Designer asks the world howinell

an engine like that one? "President sends in a note stating that the watchword is economy, and that all new designs should have cheapness of construction and economy of operation as their major criteria. Design is altered to suit.

"Designer hears that the Whoosis Airplane Company is laying out a competing model with gull-shaped wings. Immediately scraps his design and starts over again with gullshaped wings. Simultaneously, the designer of the Whoosis Airplane Company has scrapped his drawings and starts new layouts using butterfly-shaped wings, after hearing that the Whatsis Airplane Company is proceeding on that basis.

(Continued on Page 5)

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And it came to pass that six score and eight chosen ones entered into the synagogue of learning twentythree thousand, two hundred and sixty-eight moons A.D. (slide rule

Yea, and verily did they enter in stately health and learning and hap-piness ready to journey forth into the world of our fathers spreading their doctrine whatsoever that may be. (Ed. Note: Not to be confused with the Aggies.) Whereupon started the four year siege when the six-score and eight were set upon by the Pharos of the Lord High Executioner. After the November fray were left many, yea, countless scars of battle which caused many to perish along the wayside. The Pharos, fearing that the life of the young wise men was enjoyable, be-set upon them another plague on the eve of the anniversary of A.D. Yea, and many were smitten, and some were smot. Them that lived on set forth to polish their goblets and oil their elbows, and with permission of the elders, set forth a great feast. And great was the merriment thereof. And Bacchus reigned supreme. And lo, after the passover came the hangover (and were they low!) But nay, the handwriting was on the wall, and several elders on the floor. And the elders spake and decreed throughout the land that no more should there be such merriment, and the festive board should be torn asunder for geneations to come. No more would the cup runneth over.

And, by Gads, from the far east



plaze new trails and locate the win- maiden robed in stately unattire. lows in the hall of Pembina.

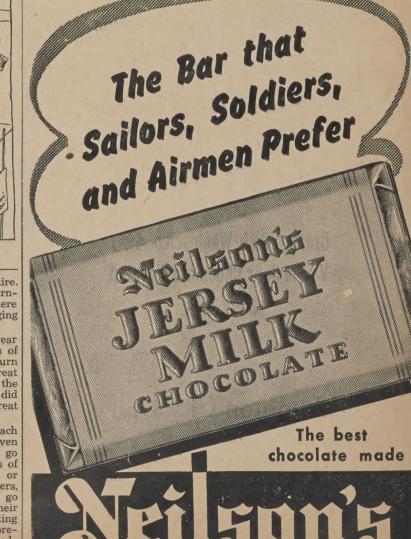
They chased by day, and they chased by night, and for some the chase never endeth.

Yea, and through the halls of learn-Then came half a fortnight of revelry while Delila Hawkins pursued the unwilling (?) Samsons. of the enemy to do battle.

On the last moons of the four year siege the battle scarred veterans of only three score less nine did return Then followed a long period of turmoil and strife when the diminishing echelons of chosen fews strove to sustain their stalls in the temple.

And with the spring the mighty hosts of the Temple of Learning sallied forth in orderly procession to the lands of the Saraceen Indians to bridge mighty rivers and march many leagues. Whereupon there fell a fortnight of famine on our heroes, and they wasted away, and they burned in the sun by day and froze in the tents by night.

And it is prophesied that each of the valiant warriors will be given a ring as a symbol that he can go throughout the world as walkers of streets dodging cold drafts, or soread lightning, or dig sewers, while the "Chosen Four" will go throughout the world giving their talents to all peoples, and wresting from the bowels of the earth precious metals and jewels to the adthere came wise men bringing glad tidings and spice in the form of jokes to set the favored children forth in the gales and icy blasts to



AIRCRAFT ANXIETY

(Continued from Page 4)

"President returns from a tour around the country. Circulates notes to the effect that the present trend is toward better vision for the pilot, and that all other features, includ-ing speed and cheapness of construction, should be compromised to obtain better vision for the pilot.

Design is altered to suit.

"President sends in word that the crying need of this country today is a good 5-cent cigar. Design is alter-

ed to suit.

Shop makes an error, in building the fuselage a foot too short. In exchange for previous shop favor in covering up one of his errors, the designer writes a long treatise to the Chief of Engineers pointing out the trend to shorter fuselage lengths, suggesting that the fuselage be made shorter by 1 ft. Chief Engineer does not grasp the full meaning of the obscure part of the designer's calculations, so issues order to have the nose of the fuselage shortened by 1 ft. Designer and Shop Superintendent talk it over, and decide they

had better just cut 1 ft. off of the nose and say nothing more about it.
"Engine finally arrives for installation in the ship. Turns out that the engine company had decided to build a nine-cylinder engine instead of a seven-cylinder engine. Engine mount designed for a seven-cylinder engine. Long correspondence between airplane company and engine company to deter-mine if two cylinders shall be taken off or if engine mount shall be changed. Matter finally settled by flipping coin. Engine mount is

"On installation of the engine it is found that the carburetor interferes with the center landing gear fitting. Engine sent back to the engine plant to be made into a down-draft car-buretor. When the engine returns it is discovered that the new carburetor interferes with the oil tank. Send engine back to engine plant to be made over into a solid-fuel injection engine.

"None of the shop cowl workers understanding English, Project En-gineer waves his arms around in the air to show them what type of wing fillets he wishes. Thinking he is referring to the engine compartment cowl, they turn out a startling new idea in engine cowl. Project Engineer has drawing made to suit and sends drawing in to Chief Engineer point-ing out that his new design will probably add 4 m.p.h.

"Landing gear was laid out for large diameter wheels. Somebody invents small diameter wheels and sells them to the Purchasing Agent. When they are applied to the ship it is found that the propeller ground clearance is too small. Project Engineer announces that a three-blade propeller will be used because of high propeller tip speeds or some-

"During set-up operations, upper wing is found to interfere with a beam in the roof of the factory. After comparing costs of altering the beam in the roof, or changing one set of wing struts, gap between the wings is decreased by 6 in.
"First weighing of the ship shows

the center of gravity to be badly out of position. Upper wing is taken off and changed to one of large sweep-back, to balance the ship. Chief Engineer sends note to President explaining delay as necessary, as sweep-back has to be used to improve pilot's vision.

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That it Should Come to This!



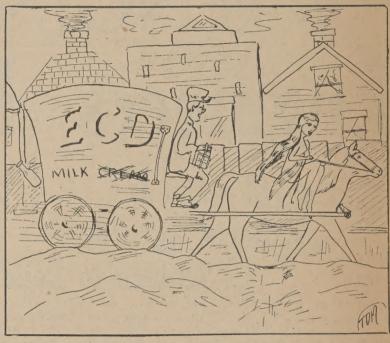
NEW RATION AT BAR CUTS QUOTA TO PAR

New beer rations and shorter parlour hours have hampered Sciencemen in With wartime need for technical personnel, women students have been Due to the restrictions on tires and gasoline, Godiva and her horse now their achieving the daily forty beer quota



ENGINEERS FLIRT WITH SCIENCE SKIRT

allowed to enter Applied Science Faculty



NUDE YOUNG THING NOW WORKS FOR KING

ride for victory

Personages Define Engineers' Status

Dr. Clarke, Dept. of Mining

students is facing the problem of the successful accomplishment of its university studies more seriously than former health accomplishment of its university studies more seriously than former health accomplishment of its university studies more seriously than former health accomplishment of its university studies. The reservoir health accomplishment of its university studies accomplishment of its university studies. than former bodies. The reason for than former bodies. The reason for this increased seriousness need not be explained. Many students are value we are in meeting those needs.

I really believe that responsible

These machines fight on land, on sea having trouble in varying degree. I really believe that responsible Possibly a discussion of the problem men want us to continue our Uni-

numbers because the Ottawa aum-orities want them there to the end of increasing the supply of men with engineering training for war indus-tries and for the armed services.

The idea I believe is for us to of knowledge, extending over quite a wide front of subjects, so well mastered that it is available for application to problems at any mo-ment; with a much more extensive background of knowledge sufficiently well mastered to be avail-able for application at short notice; with a certain minimum of skills, technical mainly but not entirely, ready for use at all times; and with a set of habits of thinking and working which are suited to the handling

"At the field 1 ft. of left wing tip

speed course and is found to have a and out of it. Designer expected, but 5 m.p.h. less than he wrote in the preliminary specification. This speed is 10 m.p.h. more than the Design Engineer expected and 10 m.p.h. less than he promised the President. The speed 15 m.p.h. more than the Sales Manager expected and 15 m.p.h. less than he wrote into the preliminary

advertising copy. "Knowing his organization thoroughly, the speed is exactly what the President anticipated."

Dr. Clarke, Dept. of Mining
Engineering
The present body of engineering
The present body of engineering and feel able to say whether or not

by an instructor who still has faint versity studies—but I should like to memories of his student days would be helpful.

Applied Science students are presources would have us believe that Applied Science students are present on the campus in unprecedented numbers because the Ottawa auth-

differentiating between types of engineering training, the writer will risk the answer that it means: men with a certain minimum background with a certain minimum background of knowledge extending over quite that all the greatest to a greatest to greatest to a greatest to greatest to a greatest ful side issues!

neering training directly. He can acquire it only as a by-product of the expenditure of sufficient effort on the study of a wide array of subciently well mastered to be available for application at short notice; with a certain minimum of skills, technical mainly but not entirely, ready for use at all times; and with a set of habits of thinking and working which are suited to the handling of practical engineering problems.

A student cannot get his engineering to the thing that is wanted, is side-stepping all the courses in this and that, the bearing of which on what an engineer does in practice is not any too clear. But this just not any too clear. But this just cannot be done. As has been said, an engineer's training—that intan-"At the field 1 ft. of left wing tip is knocked off on a hangar door. One foot is sawed off the other tip to match, and both ends are faired off neatly.

"The airplane is put over the work which the engineer has expended on specific tasks in school and out of it.

The Faculty of Applied Science has the task of seeing to it that its students get an adequate university engineering training. It accomplishes this task by setting up an array of courses which, according to its judgment and to past experience in engineering teaching, students should study to get this desired by-product called engineering training, and by imposing conditions on the students which will induce them to expend at least the necessary minimum of effort on these courses to get a useful quantity of the byproduct. These conditions are imposed by the system of examina-tions whereby the Faculty's instructors trade marks in the various courses in exchange for the stu-

dents' work.

The problem of the engineering student while attending university simplifies down to the fairly straightforward one of bartering work for marks. It is not quite straightfor-ward though, for work is not a clearcut, definite thing. There are many kinds of work and the student must determine what kind of work a given instructor in a given course demands in exchange for marks. It may be the sort of work required to

Lt.-Col. P. S. Warren Officer Commanding U. of A. C.O.T.C.

At no time in our history has the and in the air. There is a continual increase in both size and complexity of these engines of war. A modern battleship is the pride of the engineering profession. Engineers build

the ship and engineers fight her. In a war of machines, the mech-anical engineer is much in demand; in fact, the demand has far exceeded the supply. Various services must often be content with the second Men with engineering training—what does that mean? So far as training that can be got at a university is concerned, and without differentiating between types of engineering training that can be got at a university is concerned, and without differentiating between types of engineering training that weither the concerned and without differentiating between types of engineering training.

The idea, I believe, is for us to best, and sometimes it is not good enough. With the continued increase of the Canadian Navy, Army and would undoubtedly lead to a greater spirit of co-operation for all conanical engineers will become more

acute. Communication between fighting units is by radio as well as by the older methods, and a certain num-ber of electrical engineers are required to supervise the signals equipment. Though good practical men are always in demand in Siga goodly number of fully

him for so many purposes. The devastation of modern bombing on docks, airdromes and other stations

Mining engineers fit into many places in the services. Many take commissions with the Army Engineers and some go to Ordnance. It was mining engineers who did much of the tunnelling recently at Gib-

nitiated in the present struggle, but there is always the possibility that the enemy will make use of gas as a The surest way of preventing him from doing so is to demonstrate to him that we are ready to reciprocate. There will probably be a limited number of opening for chemical engineers in experimental work on war gases.

commit to memory factual matter; the effort required in practicing mental or manual operations; or a combination of types of work; or even some form of work that is related to the eccentricities and pet notions of the instructor as well as to the subject matter under study Any form of barter calls for shrewdness and in the university brand of barter for marks, the student is in the vulnerable position. He has to be shrewd enough to sense what sort of work his instructor requires and industrious enough to proffer it in sufficient quantity. He must also be strong-minded enough to set aside his likes and dislikes for courses and instructors and to disribute his work adequately over all his courses. If the quality of work is not so high because of intellectual or other limitations, the quantity must be proportionately greater.

Students may rest assured that the system to which they are required to comply is not designed for very brilliant men. It is designed for men of average ability and imposes not more than a reasonably difficult or onerous load on them. The system is not designed on the basis of the average inclination to work, how-ever. The student who will not work, fails.

Students are puzzled over being required to attempt to learn material that, so far as they can see or ascertain from questioning practicing engineers, they will never have oc-casion to use. The explanation is that no one can master everything he attempts. But in attempting things that tax one's capabilities, one gains complete mastery over a certain residuum of knowledge or skill involved in the harder exercises and this residuum of knowledge grows as one becomes able to attempt harder and harder things. This is, again,

Dept. of Civil Engineering

"Puzzled? Are you working on a task that seems difficult? Then tell engineer been more in demand than at task that seems difficult? Then tell as a student, we might be surprised at the present time. A war of mathematical than the engineer about it. He'll be able at the importance of certain work. to help you"-such is the comment On the other hand, the recent gradof a workman when difficulties arise. The engineer is expected to know something about almost everything, and everything about some things. He does not always know the answers. But he does tackle strange problems, both technical and non-technical. Frequently he finds his technical training has taught him to ask questions that lead him in tracking down an elusive answer. No matter where you find the engineer, his life is one of ever-changing experiences—new problems in design, or in organization, or in dealing with human beings.

Our engineering students know the experience of facing new and un-expected problems. They meet them early in their course, and develop shock resistance—or retreat. The survivors push forward. The strag-glers stop to hiss at their assignments, until they learn that problems are immune to hissing. The student who succeeds realizes the necessity for productive effort. Betrained men are a necessity for the armed forces every year.

The Army still requires the civil track like a big game hunter into engineer, and is very dependent on other fields besides engineering.

In publishing this issue of The Gateway, the Engineers face the perdocks, airdromes and other stations of the fighting forces will undoubtedly be more severe in the future, and the army engineer will find his duties broadening as the war progresses.

Mining engineers fit into many places in the services. Many take commissions with the Army Engi-

and ingenuity awaits us. Later they will enter the political arena with more election propaganda than any civic or federal fight. And no one knows what unexpected drive they may sponsor to raise war funds or arouse enthusiasm for such an Utopian structure as a Students' Union Building.

Such is the life of the engineering student on the University campusversatile and enthusiastic in solving a variety of problems. This experience is most valuable when he graduates into the changing industrial world.

There was a day, not long past, when industry could not offer employment, and an engineer had to create his own job. The depths to which he fell is well illustrated by a

One engineer, who had tried in vain to find any kind of work visited a zoo and noticed that a lion's cage was empty. He applied to the zoo-keeper for the job of walking un and down the cage in a lion's skin. After much persuasion, the zoo-keeper agreed. All went well until the engineer noticed a bear coming towards him. He yelled, but was soon calmed, when a voice from the bear skin said, "Pipe down! You aren't the only engineer in town!"

When industry revived, many engineers worked in other than their own field of engineering. The electrical graduate became a surveyor, the civil a metallurgist, and the mechanical a miner. It didn't matter in which course he had graduated. He sold his "ability to learn," and then by observation and study fitted himself for his strange job. Even today an engineer is not always justified in classing himself as a specific kind of engineer. Chemical engineers must solve mechanical problems, electricals do structural work, and civils make chemical an-No field of engineering is isolated from the others. Any engineer grapples with the problems in another engineer's field

Most students do not know for whom they will be working when they graduate. Nor do they know the general kind of work they will be doing nor where they will be employed. These uncertainties lead to only one conclusion. It is wise to the idea that engineering training is a by-product of the effort expended of activity, both technical and cultural. The merits of a general tural. course of instruction are more fav-

orable than specialization.

There may be times when a lecture or a laboratory assignment seems useless. A safer observation would be that the work may have limited application. If graduates would only write back occasionally to this paper, telling of instances where they have used information which they thought was unimportant. which they thought was unimportant uate might express the opinion that practice has changed so rapidly in industry that parts of the work, which he took in class a year or so previously are out-dated. He should offer constructive suggestions.

War has made drastic changes in industry. In pre-war days, steel construction was very popular. Then steel was rationed, and emphasis shifted to concrete structures which were reinforced with steel bars. Now engineers are working on the prob-lem of eliminating all steel from certain concrete structures. Timber design has also developed. Wood is no longer a material for cheap buildings alone. It is gaining prominence in the construction of important structures. In fact, its progress has been so rapid that America, the bountiful timber-land, faces the in-credulous position of having to ration wood. Similarly, in other branches of engineering many un-expected situations arise and call for all the energy, ingenuity and imagination engineers can summon to find a solution.

The engineering student wants to know about these current technical advances. In part, this desire can be satisfied by the University lecturer satisfied by the University lecturer shifting the emphasis in his course material. It is equally important that each student make an effort to read the current technical literature. The University Library receives most engineering periodicals. Un-fortunately, there is not a technical reading room in the library. The Engineers have not fared as well as Next week the Engineers will step into the social world with their annual Ball. A staggering display resulting from planning, financing, technical literature from the Library. They would do well to employ the secret of one's success in industry individual effort.

After the war the engineer must e prepared to face still more perplexities. In the meantime, his best policy should be to master his chosen field and keep in formed of advances in related fields of engineering, as well as making his contribution to

After the Ball

W.C. CONFUSION

A newly-married couple were looking for a home in the country, and they found something they considered suitable and returned home. After reaching home, the young wife happened to think that they had not noticed a closet on the place and decided to write to the owner about some. Being very modest, she hesitated to refer to the "closet" in her letter, so referred to it as the W.C.

The owner was puzzled as to what was meant, but after considerable pondering decided that the tenant meant the Wesleyan Church, and he answered her letter as follows: Dear Madam:

I regret very much the delay in answering your letter, but take very great pleasure in informing you that the W.C. is located about nine miles from the house and is capable of seating twelve hundred and sixty persons. The distance is unfortunate if you are in the habit of going regularly, but no doubt you will be interested to know that a great number take their lunch with them and make a day of it. Others go by auto, arriving just in time, but are generally in too big a hurry if the place is crowded.

It is six years since my wife and I went the last time, and we had to stand all the time. It may interest you to know that a bazaar is being held to raise funds for the purchase of plush seats for the W.C. This is a long felt want.

I might mention that it pains me very much being unable to go more frequently. It surely is no lack of desire on our parts, but as we grow older it seems more of an

effort, particularly in cold weather. Thanking you very much for your letter, and hoping that you will be able to attend the W.C. regularly, I

> Very truly yours, The Landlord."

LADY REMINGTON

Lie down beside her, soldier, And do but use her well, And she can ease your passion With cries and powder smell. Be reckless in your loving; Her grace makes no one poor, For only bullets issue From such an iron whore.

—The Canadian Forum.

He saw her dashing from a car And up to her he sped. "May I help you to alight?" "I do not smoke," she said.

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OUTDOOR KIDS TO STAGE "SPORTS PARADE" SATURDAY NIGHT IN CONVOCATION HALL; EVERYBODY COME!

-:- ENGINEERS' SPORT SECTION -:-

Engineers Headed For Bulletin Trophy

Aggies Take Heed, Experts Agreed, Science to Lead

Near one of the large army camps lived a dear old lady whose chief pleasure was making the boys happy by keeping them supplied with sox, magazines, cigarettes, etc.

At last the dear woman got up and said, "Now, boys, I have just one little bun left—what will I do with Trophy.





BELOVED BY ALL FOR FALL HAIR LOVELINESS

PROT-N-IZED

CREAM PERMANENT TWO LOW PRICES

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The Engineers have taken a back seat in sports to the manure men for the last two years. This year, however, it looks as though the beer men have decided to bring about a change in this regard. From the looks of things, they seem to be tired She felt that this was not enough, however, and so she asked the colonel to have some of his men come over for tea. The colonel obliged by sending over a platoon of his hest troops.

I have held the Bulletin Trophy. The last two years the farmers have held the Bulletin Trophy. The last two years the farmers have held the Bulletin Trophy. The last two years the farmers have held the Bulletin Trophy. The last two years the farmers have held the Bulletin Trophy. The last two years the farmers have held the Bulletin Trophy. So they sat around on little chairs with teacups balanced on their knees and ate cakes and cookies, and prattled on about whatever old ladies talk about. This went on for a few hours, and the men were getting quite fed up and disgusted plants. By virtue of having won the interfaculty rugby chamgeting quite fed up and disgusted plants. many, many points, and are well out in front in the battle for the Bulletin

The sergeant quickly stood up and shouted, "The man who answers that question will be court-martialled."

The sergeant quickly stood up and shouted, "The man who answers that question will be court-martialled."

In these five games the 'Gineers amassed a total of forty-seven points, having only nine points scored against them. Of the nine points scored against the Engineers, eight were scored by the Barnyard Boys in two games, the remaining point being scored by the Pill Pushers. During the rugby season the beer

The reason for the 'Gineers great prowess this year can be attributed to their timely discovery of a new vitamin P.D.(Q)⁴, where Q represents alcoholic content, the two other secret constituents being diluted with rum to counteract the alcoholic effects of Q4. The exact names and amounts of the constituents used in the making of this new and invigorating vitamin are a closely guarded secret and may not be

In the hockey field the Engineers also seem to have a force to be reckoned with. The beer guzzlers have a much stronger contender in the hockey field this year than they had last year, and last year's squad was no pushover. Besides having the valuable addition of several fast-lating Freehmen, the hear men still skating Freshmen, the beer men still have a number of last year's regu-lars to round out a fine team that may well be reckoned with.

This year the 'Gineers intend to put the farmers back in the barn where they belong, and keep them there. It appears that you unfortu-nates who have the bad luck to be 10047 101A Ave. Ph. 26579
Open at 8 a.m.
NO APPOINTMENT NECESSARY

The standard of the Jersey juice of the University pionship!

Training Corps. We must try to enlighten the public concerning this situation, and thus secure their

SNA (Just around the corner from Kresge's) that the Barnyard Boys have been polluting it with.

Sciencemen Victorious in Second Game

PLUMBERS PLAN PUCK PUSHOVER Beermen Step Out in

Frosh Hoopsters Main Element

With the basketball season in its second half, the Engineers team, through no fault of their own, find themselves at the bottom of the interfaculty league. As usual, Varsity's best players in this field field of sport are Engineers, and are keep-ing the Bears on top of the City League. The interfaculty team has, therefore, been deprived of its best players of former years.

The squad this year consists al-

most entirely of Freshmen, who are just becoming accustomed to the brutality of the Gut Plumbers and the lack of etiquette of the Manure Spreaders, whose teams consist of seasoned stumblebums. Bewildered by their opponents' uncouth tactics in the first half, these Engineers, who are at heart gentlemen, are now learning to cope with these ruffians. Now that the newcomers have been initiated, they are becoming a for-

In the first game of this term the Engineers were edged out 30-23. Although leading throughout most of the game, they were overwhelmed by superior numbers in the closing minutes. Their game was vastly im-proved over previous exhibitions, and the next game will find them

The next scheduled game was not played because of cold weather. As our Freshmen have not yet imbibed a sufficient percentage of alcohol in their blood to class it as a proper anti-freeze, this not only protects them, but shows a gentlemanly con-sideration for our opponents.

At the next game the Engineers' team will undoubtedly inflict a crushing defeat upon the unfortu-nate team which is scheduled for night. Any Engineers who wishes to play basketball should come out Thursday night and uphold the honor of the E.S.S.

PRESIDENT CLARIFIES

"With regard to the minority, who are achieving the high standing now required for continuing studies in Arts, Commerce and Law, one can understand the diffidence of the Dominion Government in saying categorically whether they should or should not enlist. As long as we have a voluntary system of recruit-ment (for the Active Army as dis-tinct from the Reserve Army), no one likes to interpose barriers in the way of anyone enlisting who feels the urge to do so, unless he is de-finitely required for a particular kind of war service which necessitates further university training. Moreover, no one cares to take the responsibility of acting as someone else's conscience. All that can be said is that those in authority feel that it is in the best interests of the country for at least some promising students to continue non-technical

studies in each university. Science Students' Regulations "The University Science Students' Regulations, 1942 (P.C. 9566), which became effective December 1, have been superseded by the 'National Selective Service Civilian Regulalations, 1943,' (P.C. 246, January 18), but the regulations governing stu-dents remain substantially unaltered. Within the last few days the University has been requested to preexpected to graduate as technical personnel this year and, separately, of all other students in training for volunteered will presumably be sent of all other students in training for this classification. A supply of printed forms is expected to arrive this week, to be completed at once by all male science students, in which the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declares whether he does or does not wish to volunded with the student declare formation concerning these branches

it is because the country wishes very soon.

STRONG LINEUP City League This spell of cold weather has put a definite crimp in the hockey schedules. However, as soon as there is a favorable break in the frigid atmo-

Engineer Team

h the basketball season in its d half, the Engineers team, gh no fault of their own, find selves at the bottom of the faculty league. As usual, Varbest players in this field field between the field atmosphere, the league will start rolling again. A good brand of hockey should be dished up.

The Engineers' hockey team is not leading the league, yet. The reason is simple—we haven't played enough games as yet. In their only game so far, we were held to a 2-2 tie by the Ag-Com-Law (you know that new factors).

Ag-Com-Law (you know that new combined faculty for stray hockey players). The Aggies tried to cam-ouflage themselves by allying with Commerce and Law. But corn stands out in any company. The farmer influence was there all right.

It was a moral defeat for us to get only a tie, but the boys will try to do better next time. After all, the forty beer men have to acclimatize themselves to the presence of

Red Deer's contribution to this institution, Jack Setters, is back in goal. The Engineers will have no worry in this department. On defence, we have Lambert, a veteran campaigner, Ronnie Helmer, who himself comes from a hockey family, and big Vern McKeague. The last two are new recruits. Up in front the Dutker Dimock Simpson forward the Dutka-Dimock-Simpson forward line is as good as any in the league. Bill Dimock, who starred for Trail Juniors, and was one of the high scorers in the Junior Kootenay League last year, has shown great promise already. He centres Rudy Dutka and Coach Jack Simpson, both hustling players of proven capabili-ties. They have been among the mainstays of the Engineers for several years now. Then we have an all-Freshman line of wings—Perott and McCune and centre Grant Dunsmore. Much is expected of this combination, although it is still too early to draw any definite conclusions. As albert "Moose" Manifo utility men, we have MacLean and of strength on defence.

The forty beer men are aggressive in hockey as in everything else, and play a crowd pleasing brand of hockey. This can be properly attributed to the alcoholic stimulants which are freely imbibed before and during every game. Even though some quarters favor the Arts team, the well informed parties know that

SNAPS WANTED!

The Year Book still needs some candid camera shots for its forthcoming, better - than - ever - before, superlative edition. Don't be shybundle your prints up and leave them in the Year Book box in the Arts basement by the post office. Any pictures which show Varsity life on or off the campus will be

Two free books will be given away this year to those two lucky people who hand in the best shots. This means you can have your cake and eat it, too—get a Year Book and a refund by winning our contest. But do it now—don't let it go any longer. Hand in all the prints you can beg, borrow or steal today. This year's book promises to be better than ever before, in spite of wartime restrictions. The theme and moving.

But remember, the new, improved Year Book (better-than-ever-be-fore) needs campus pictures—hand

them to do so.
"The completed forms will be re-

them in now!

turned to the Wartime Bureau whose

be arranged with the University will be available to the student when he is completing the form.

"Students who declare their intention to volunteer will be placing societies, to discuss with the visitors." their services unreservedly at the detailed working out of these regulations. Some of the more silence criticism concerning such students, since, if they remain at the employment of students, for which students, since, if they remain at the University to complete their studies, arrangements should be initiated entire second half of the evening

In Full Swing, Tues. and Thurs.

Sam Sheckter, president of men's senior basketball, with Paul Kirk as coach, foresaw a real year for basketcoach, foresaw a real year for basket-ball. It is too bad that intercollegiate competition was impossible this year, as the boys have a really top-notch basketball squad. The team has lost the valuable services of playing manager Mike Provenzano and ace forward Bernie Critchfield. Sam Sheckter has taken over the man-agership and Boh Dumont is going agershin and Bob Dumont is going to start playing again.

The team is playing in the Edmonton City Basketball League, which includes three U.S. and five local

After getting off to a bad start in a tangle with the 331st American Engineers, the Varsity team started to roll, and in spite of examination nightmares, they took the second game from the Air Transport Civilians.

There was a league standstill for the Christmas holidays. After two weeks' hilarity and dissipation, the boys came back and breezed through two games, winning them both. Winning the next game by default, the Varsity squad were sitting at the top of the league with the Latter Day Saints.

Due to unforeseen player losses, the boys faced the Saints with only six men. Varsity fought hard for three quarters and held the score even. The lightning attack by the even. The lightning attack by the L.D.S. in the fourth quarter was too much for a tired Varsity team, and they went down fighting.

Jack Switzer and Sammy Sheckter are the spearheads on offence, while Albert "Moose" Manifold is a tower

DE MUSIQUE

ENGINEER CRITIC

To meet the accusations from the nates who have the bad luck to be in the Aggie faculty will soon have the barn, clean it off and get ready to present it to its rightful owners. Commendation of the Dean of the present it to its rightful owners. Commendation of the Dean of the the actual on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the campus that practice he started out at full else faculties on the ca Forty beers and on to the chamcerts of the Musical Club. The secretary of the club is an Applied
Science man, Ralph Hargrave. Our omitted some by-pass E.S.S. president, B. J. Anderson, is a regular attender. Whether he comes of his own free will or because he is henpecked into attending is beside the point. The fact result and provided the point of the fact result was a high pitched squeal (about 20,000 c.p.s.—unfortunately still in audible range). mains he is there, confirming the actions of the culture-seeking En-

Beth appealed to both the eyes and ears of the engineering audience Miss Eagleson is a very soulful pianist, with a stage personality warm, poised and sincere—unblemished by the affectations too common among some concert pianists. Her "Minuet from L'Arlésienne Suite No.

Bizet-Rachmaninoff, was spirited,

wartime restrictions. The theme chosen (secret, of course) is something new, novel and topical. Printing has started on the first part of the book, and is progressing favorably.

Miss McBeth could have held her audience breathless had she not opened her mouth any wider than to smile. Fortunately she did, however, and thrilled everyone with a ever, and thrilled everyone with a voice of excellent strength and quality. We are happily anticipating her performance in "The Gondoliers." Miss McBeth was ably supported by her accompanist, Miss Joyce Lees, in a Lana Turner sweater—a red one, too!

Prof. Nichols, always a friend of the Engineers whether in a classroom at the console, was in his usual good form, and contributed three numbers. The familiar "Reverie,"

which the student declares whether he does or does not wish to volunteer for service in the Armed Forces of Canada as a technical officer and, "Mr. H. W. Lea, Director of the Rureau and Colonel G. W. Beecroft, said, we rather take him for granted. dicates the Services in order of his its Military Adviser, are expected to preference and the technical corps visit the University of Alberta on February 1 and 2. A meeting will the point of Mr. Nichols' recital for the properties of the properti the Navy just before Christmas, when he played so generously and spoke so informally, such as to give the evening a sort of "by the fire-side" flavor. On this same program appeared another Engineer, Rich Swann, whom we cannot forget to

include in our list. was turned over to Mr. Egon Grap-

Hectic Third Period

SIMPSON, HELMER TALLY

In their second game of the season on Tuesday night, the Engineers, after spotting the A-C-L's a third period goal, came roaring back in a great drive which resulted in two counters, one with seconds to go. Although they had held an advantage in play, up to then the forty beer men were stopped by tough luck and lack of finish around the nets.

In the first period, as the Engineers began to pour it on,

they were unfortunate in not getting at least one goal. Both Lambert and Simpson missed wide open nets. At the other end, Jack

shots aimed at him. The second period produced neither goals nor penalties. The Engineers missed several great

Then in the third period the forty beer men had one defensive lapse, and Schrader scored from Younger for the A-C-L's. From here on the

victory.

Lineups:

Engineers—Setters, Perrott, Lamberta, Dutka, B. Dimock, Simpson, McCune, Dunsmore, McLean, Ross,

entin. Hereby follows a technical description of the performance from an Electrical's point of view:

The performer extended an an-

tenna in such a position as to pick up all stray signals (applause). Then in contrast to all good engineering

The good Mr. G. seemed to have filtering resulted in transients at the beginning of each note. Various other imperfections in writing resulted in severe "motor-boating." The following are an Engineer's His audio transformer was rather impression of the Musical of last poorly matched to the final 2A3. Sunday night, January 24th:

The two ladies of the evening, Miss Jean Eagleson and Miss Bernice Mc-His frequency response showed a sharp beak at about 10,000 c.p.c., which gave his high notes a piercing which gave his high notes a piercing clarity. By overloading 6L6's in the final stage, he managed 100 watts output with a slight overheating. His detector was tuned to respond strongly to the frequencies from 4,000 to 6,000 c.p.s. (applause), since he responded to a 0.0035 microwatt circular with a contract of the co ignal with another discharge-"Intermezzo, from the picture of the same name"—unquote. Then he

Mrs. Hatlen was, as always, a very sympathetic accompanist, and the audience was as sympathetic toward her.

NO JOKE!

Rumors have it that skating will begin Sunday at 2 p.m. at the Varsity Rink.

AGGIES!

Snow shovellers needed for rink. Here is your chance to use your manure shovel to advantage. Ample remuneration. Apply Union Office any day after milking time.

Setters turned as deep end, sack Dodge Expedition

Shown to Miners

Second meeting for 1943 was held in Arts 342 at 4 p.m. on Monday. After fortifying themselves with the usual quantities of groceries, the rock maggots and muckers gathered for the A-C-L's. From here on the Engineers out on a continual power play, swarming all over the opposition net. Schrader was hustled off to the cooler for cutting down one of our men. During the resultant pressure applied by the forty beer men, Coach Jack Simpson finally scored by B. Dimock on a pretty passing play.

With the scored tied and with only 35 seconds to go, Ronnie Helmer, Engineer defenceman, made a solo rush down the ice, and from a sharp angle fired in a goal.

The final score was 2-1, with the Engineers claiming a well deserved victory. low cost copper mine, some 30 miles north of Vancouver, the property is mined by a system of caving and "glory holes." No hoisting is necessary, since the ore is removed by an adit driven horizontally into the McKeague.

A-C-L—Torrance, Schrader, Andrews, Younger, Taylor, Dalsin, Lebel, Rigney.

Three stars — Taylor, Younger, Lambert.

Add driven horizontally into the mountain, the workings being above this main entrance. Following his talk, "Doctor" Wetterberg concluded by showing a number of photos of the property, including one of the camp cook, which left the boys wide-eyed and wondering.

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